TASK	1996	1997 (Jan-Aug)	1997 (Jan-Dec)	1998 (Jan-Dec)	1999 (Jan-Dec)	2000 (Jan-Dec)	2001 (Jan-Dec) (2002	2002 (Jan-Dec)	2003 (Jan-Dec)
		(1997 Report)	(1998 Report)	(1999 Report)	(2000 Report)	(2001 Report)	Report)	(2003 Report)	(2004 Report)
MAINTAIN DRAINAGE FACILITIES (INVEI	VTORY)								
• curb & gutter lineal feet(Roads)	6,280,889	5,315,105	5,315,105	3,878,642	3,668,024	3,441,640	3,459,334	3,413,517	3,421,345
catch basins (Roads)	54,779	32,808	32,808	33,452	31,902	30,377	30,389	30,490	30,695
paved ditch lineal feet (Roads)	148,617	169,302	169,302	112,691	96,901	92,438	90,258	88,236	88,611
open ditch lineal feet (Roads)	8,226,256	7,838,016	7,838,016	7,116,780	7,087,728	6,547,000	6,530,503	6,538,337	6,648,285
 cross culverts (Roads) & access tiles (duplicated numbers in previous budget) cross culverts = 24,517 	62,723	47,381	47,381	46,185	45,131	41,210	41,049	40,951	41,246
bridges (Roads)	223	195	195	185	184	179	177	178	187
 mowable slopes pass miles(Roads) 	4,291	4,779	4,779	4,163.2	4,136	3,936	3,971	3,963	4,254
• residential R/D facilities (WLRD)	1,196	1,466 (incl. City contracts)	1371	1371	1371	393	1536	1593	1612
 commercial & multifamily R/D facilities (WLRD) 	1,455	1,427 (incl. City contracts)	1139	1136	1136	1137	1167	1261	1303
commercial & multifamily conveyance- only facilities (WLRD)	300	325	390	420	460	458	463	474	478
• regional R/D facilities (WLRD)	124	118	131	170	180	186	190	195	199
MAINTAIN DRAINAGE EAGUITIES /MAIN									
ALL TYPES OF FACILITIES	,								
ALL TYPES OF FACILITIES Apply K.C. Ord 5824, Sections 7B, 9A, & 9D (R/D maintenance)	yes	yes	yes	yes	yes	yes	yes	yes	yes
ALL TYPES OF FACILITIES Apply K.C. Ord 5824, Sections 7B, 9A, & 9D (R/D maintenance) Apply SWDM standards to new County BMP facilities	yes	yes	yes	yes	yes	yes	yes	yes	yes
Apply K.C. Ord 5824, Sections 7B, 9A, & 9D (R/D maintenance) Apply SWDM standards to new County BMP facilities Investigate all R/D complaints	yes			yes 940 drainage complaints, 217 R/D related	yes 918 drainage complaints, 256 R/D related	yes 531 incl. 176 R/D related	yes 878, 142 R/D related	yes 742, 207 facility related	yes 577, 177 Facility Related
ALL TYPES OF FACILITIES Apply K.C. Ord 5824, Sections 7B, 9A, & 9D (R/D maintenance) Apply SWDM standards to new County BMP facilities Investigate all R/D complaints Investigate and prioritize drainage problems	yes	yes 1260 drainage complaints, 150	yes YTD 180 incl. 18	yes 940 drainage complaints, 217	yes 918 drainage complaints, 256	yes 531 incl. 176	yes 878, 142 R/D	yes 742, 207	yes 577, 177 Facility
ALL TYPES OF FACILITIES Apply K.C. Ord 5824, Sections 7B, 9A, & 9D (R/D maintenance) Apply SWDM standards to new County BMP facilities Investigate all R/D complaints Investigate and prioritize drainage problems RESIDENTIAL R/D	yes	yes 1260 drainage complaints, 150 R/D related 60 corrective WOs issued	yes YTD 180 incl. 18 R/D related	yes 940 drainage complaints, 217 R/D related 65 corrective wo's issued	yes 918 drainage complaints, 256 R/D related 50 corrective WO's issued	yes 531 incl. 176 R/D related 34 corrective WO's issued	yes 878, 142 R/D related 40 corrective WO's issued	yes 742, 207 facility related 101 corrective WO's issued	yes 577, 177 Facility Related 63-corrective WQ's issued
ALL TYPES OF FACILITIES Apply K.C. Ord 5824, Sections 7B, 9A, & 9D (R/D maintenance) Apply SWDM standards to new County BMP facilities Investigate all R/D complaints Investigate and prioritize drainage problems RESIDENTIAL R/D Inspect new residential systems for maintenance needs during first 2 years after construction @ 4x/yr	yes	yes 1260 drainage complaints, 150 R/D related 60 corrective	yes YTD 180 incl. 18	yes 940 drainage complaints, 217 R/D related 65 corrective	yes 918 drainage complaints, 256 R/D related 50 corrective	yes 531 incl. 176 R/D related 34 corrective	yes 878, 142 R/D related 40 corrective	yes 742, 207 facility related 101 corrective	yes 577, 177 Facility Related 63-corrective
ALL TYPES OF FACILITIES Apply K.C. Ord 5824, Sections 7B, 9A, & 9D (R/D maintenance) Apply SWDM standards to new County BMP facilities Investigate all R/D complaints Investigate and prioritize drainage broblems RESIDENTIAL R/D Inspect new residential systems for maintenance needs during first 2 years	yes yes yes	yes 1260 drainage complaints, 150 R/D related 60 corrective WOs issued	yes YTD 180 incl. 18 R/D related	yes 940 drainage complaints, 217 R/D related 65 corrective wo's issued	yes 918 drainage complaints, 256 R/D related 50 corrective WO's issued	yes 531 incl. 176 R/D related 34 corrective WO's issued	yes 878, 142 R/D related 40 corrective WO's issued	yes 742, 207 facility related 101 corrective WO's issued	yes 577, 177 Facility Related 63-corrective WQ's issued

		1997	1997	1998	1999	2000	2001	2002	2003
TASK	1996	(Jan-Aug) (1997 Report)	(Jan-Dec) (1998 Report)	(Jan-Dec) (1999 Report)	(Jan-Dec) (2000 Report)	(Jan-Dec) (2001 Report)	(Jan-Dec) (2002 Report)	(Jan-Dec) (2003 Report)	(Jan-Dec) (2004 Report)
COMMERCIAL FACILITIES									
Inspect conveyance-only commercial drainage systems	Yes (0.9 FTE)	Yes (0.9 FTE)	yes (0.9 FTE)	new facilities only (30)	new facilities only (30)	Program discontinued for CY 2000	Program discontinued for CY 2001	Program discontinued for CY 2002	Program discontinued for CY 2003
Use MIS to inventory facilities and organize work program (includes laptop hookups for field technicians)	yes	yes	yes	yes	Yes	yes	yes	yes	yes
Self-inspection & maintenance of privately owned commercial and multifamily R/D facilities	yes	904 in program	907	900 in program	No (County inspected 1136 facilities, incl. City contracts)	No self- inspection. (County inspected 1136 facilities, incl. City contracts.)	No self inspection. (County inspected 1167 facilities incl. City contracts.)	No self inspection (County inspected 1240 facilities incl. City contracts.	No-self inspection- (County inspected 1303 facilities incl City contracts
REGIONAL R/D			•			,	,		
Annual inspections of regional R/D	yes	yes	yes	yes	yes	yes	yes	yes	yes
Inspect regional R/D facilities needing frequent maintenance before anticipated storms and after all major storms	yes	yes	yes	yes	yes	yes	yes	yes	yes
FACILITIES WITHIN ROAD RIGHTS-OF-WAY									
Routine Maintenance ¹		Proposed	Actual	Actual	Actual	Actual	Actual	Actual	Actual
• curb & gutter (Roads)	11,186 linear ft	559	1,274	1,960	1,697	1,556	1,336	3,127	2,863
hand ditching (Roads)	1,558 linear ft	5,487	1,487	638	1,674	552	2,181	1,230	1,953
drainage tile (Roads)	15,427 linear ft	6,070	25,826	20,255	13,115	5,628	8,716	9,312	5,178
 vactor catch basin/manhole (Roads) 	7,646	8,599	5,775	3,399	2,664	5,029	3,279	2,717	3,217
 blade ditching/ shoulder pulling (Roads) 	750,010 linear ft	556,041	637,592	742,303	342,510	629,010	706,169	885,932	529,990
• clean drain systems—equip (Roads)	126,003 linear ft	93,378	125,435	94,662	72,605	159,444	200,567	87,173	58,981
clean drain systems—hand (Roads)	6,958	9,211	4,698	5,345	3,253	1,285	3,293	4,059	4,715
drainage preparation (Roads)	942 man hours	1,105	523	248	519	261	408	522	660
repair catch basins (I & II)(Roads)	579	164	435	11,056	212	163	211	49	138
repair headers/trash rack (Roads)	183	166	94	20	24	4	7	20	28
bucket ditching (Roads)	239,532 linear ft	272,763	273,729	196,381	63,544	56,444	142,208	120,859	137,807
• replace catch basins (I & II)(Roads)	133	95	174	844	124	49	84	94	58

¹ Figures in this section and those that follow do not include city contracts. Figures for 1996 submitted with 1997 report and for 1997 with the 1998 report. no partial year data available. Page 2

OPERATIONS AND	MAINTE	NANCE A	NNUAL R	EPORTING	TABLE F	or Stori	MWATER 1	IPDES F	PERMIT
TASK	1996	1997 (Jan-Aug) (1997 Report)	1997 (Jan-Dec) (1998 Report)	1998 (Jan-Dec) (1999 Report)	1999 (Jan-Dec) (2000 Report)	2000 (Jan-Dec) (2001 Report)	2001 (Jan-Dec) (2002 Report)	2002 (Jan-Dec) (2003 Report)	2003 (Jan-Dec) (2004 Report)
 replace catch basin lids (Roads) 	208	161	172	164	191	139	100	213	153
hydroseeding (Roads)	65,550 square yds	219,464	19,394	15,919	12,135	21,417	22,835	54,385	24,600
ditchmaster ditch clean (Roads)	228,870 linear ft	228,870	0	14,828	0	1,724	0	0	0
IMPROVEMENTS TO EXISTING ROAD DRAINAGE SYSTEM									
linear feet of pipe		14,419	6,874	8,516	5,615	11,743	10,130	8,428	7,059
• new catch basins		203	107	116	102	166	135	143	124
• \$'s of erosion control			N/A	\$256,052	\$181,749	\$438,639	\$73,995	\$82,936	60,896
REMOVE SNOW AND ICE FROM ROADS									
Use salt and sand combination		8,984	6,502	16,897	6,505	11,319	9,965	22,407	13,187
BMPs to minimize water quality impacts (sweep sand off road ASAP after storm)	yes	yes	yes	yes	yes	yes	yes	yes	Yes
USE ROADS MAINTENANCE BMPS									
Finish BMP manual for K.C. Road Maintenance Operations	no	yes (revisions on-going based on testing & cost)			Developing Tri- County Road Maintenance Manual. After Tri-County Manual Developed, King County Will use Tri-County as minimum requirements.	Plan to adopt BMP Manual as revised in the tri- county negotiations for protection of Salmon and bull trout this year. (Timing is uncertain.)	Regional Road Maintenance ESA Program Guidelines currently published in the Federal Register with Public comment closed 2/25/02	Regional Road Maintenance ESA Program Guidelines currently published in the Federal Register with Public comments currently being added.	Regional Road Maintenance ESA Program Guidelines has been approved. The Biological Opinion was received on August 5, 2003 by NMFS.
Evaluate BMPs for cost-effectiveness				yes	Yes – ongoing	Yes – ongoing	Yes – ongoing	Yes – ongoing	Yes – ongoing
Implement BMPs for ESC on Road's projects		full implemen- tation for CIPs; partial implemen-tation for mainte- nance (need 10% budget increase for full implementation)		yes	Environmental Supervisor position created. to provide field support and supervises BMP Implementation on Maintenance Projects.	Environmental Supervisor filled. Provides field support and supervises BMP Implementation on Maintenance Projects.	Environmental Supervisor filled. Provides field support and supervises BMP Implementation on Maintenance Projects.	Environmental Supervisor filled. Provides field support and supervises BMP Implementation on Maintenance Projects.	Environmental Supervisor and Environmental Unit Staff Provide Field Support and Supervises BMP Implementation on Maintenance Projects.

OPERATIONS AND N	MAINT <u>E</u>	NANCE A	NNUAL R	EPORTING	TABLE F	or Stori	MWATER 1	NPDES F	ERMIT		
Task	1996	1997 (Jan-Aug) (1997 Report)	1997 (Jan-Dec) (1998 Report)	1998 (Jan-Dec) (1999 Report)	1999 (Jan-Dec) (2000 Report)	2000 (Jan-Dec) (2001 Report)	2001 (Jan-Dec) (2002 Report)	2002 (Jan-Dec) (2003 Report)	2003 (Jan-Dec) (2004 Report)		
MAP STORMWATER DRAINAGE FACILITIES											
Map facilities in public road rights-of-way		(see map - faci- lities completed)	continuing	continuing	continuing	continuing	Continuing	Continuing	Continuing		
Work with WLRD on complete connectivity between right-of-way and off-right-of-way drainage systems. [WLRD withdrew from the mapping program in 1995.]			no	no	no	no	no	Reinstated Nov 2002	Continuing		
Develop GIS macro for mapping R/D facilities and complaints		near completion	in progress	in progress	in progress	in progress	Complete	Complete	Complete		
DISPOSE OF VACTOR WASTE							-				
Provide a network of vactor waste receiving stations for public & private sector Improve disposal process:	none	1 liquid-only for KC gov't users in Shoreline 1 liquid and solid for all w/ GRCC training opens in Renton in Oct. if Council agrees on rate structure. Delayed due to flood repairs.		2 liquid and solid construction in 98 open in 1999 1 liquid and solid for all w/ training opened in Renton in July.	2 stations to open mid 1999 one in south and one in north.	 North end site, Bruggers Bog, to open in the summer. Includes disposal of solids and liquids. South end site, Star Lake, to open in 2001. Delay due to permit issues with municipalities . 	 North End station, Bruggers Bog and Renton Station open. Includes disposal of solids and liquids. South end site Star Lake, to open in 2002. Delay due to permit issues with municipalities. 	North End station (Brugger's Bog) and Renton Station open. Includes disposal of solids and liquids.	South end site, Star Lake, opened to KC and WSDOT use only in late March of 2002. No plan to open to any other users. Includes disposal of solids and liquids. Preliminary Feasibility Studies Conducted on Redmond Site.		

OPERATIONS AND 	MAINTE	NANCE A	NNUAL R	EPORTING	TABLE F	or Stori	MWATER N	IPDES P	ERMIT
TASK	1996	1997 (Jan-Aug) (1997 Report)	1997 (Jan-Dec) (1998 Report)	1998 (Jan-Dec) (1999 Report)	1999 (Jan-Dec) (2000 Report)	2000 (Jan-Dec) (2001 Report)	2001 (Jan-Dec) (2002 Report)	2002 (Jan-Dec) (2003 Report)	2003 (Jan-Dec) (2004 Report)
solids to vendors who recycle and reuse end product	yes	yes	yes	yes	yes	Yes	Yes	Yes	Street Waste Materials Screened, Bioremediated and Tested for Contaminants. Clean soils used in Roads Mine Reclamation Projects. Contaminated Materials Consigned to Contractors for Thermal Desorption or Bioremediatio n.
portable water treatment plant for remote sites where sewer connections are not cost-effective	yes	yes	yes	yes	yes	Continuing	Discontinued with the opening of the North End station and the anticipated opening of the south end station.	No. No sewer connection at Star Lake. Liquid is transported by 6,000 gal. wastewater tanker to KC Renton Decant station for disposal.	Portable Treatment Plant Sold. Bog and Renton Station Connected to Sewer. Decant Liquids from Star Lake Station, and Cadman and Summit Ponds transported by 6,000 gal. Wastewater Tanker to Renton Decant station for disposal to Sewer.

OPERATIONS AND MAINTENANCE ANNUAL REPORTING TABLE FOR STORMWATER NPDES PERMIT 1997 1997 1998 1999 2000 2001 2002 2003 1996 (Jan-Dec) (Jan-Dec) (Jan-Dec) (Jan-Dec) (Jan-Dec) **TASK** (Jan-Aug) (Jan-Dec) (Jan-Dec) (2003 Report) (1997 Report) (1998 Report) (1999 Report) (2000 Report) (2001 Report) (2002 Report) (2004 Report) Did not use To be operated at Planting Due to budget Experimental Did not use • recycle treated water in vactors and no not yet— South County cuts from I-695 recycled water portable operation studies were recycled water street sweepers treatment plant undergoing station opening in funding for this conducted to from Metro's from Metro's tests for DOE mid 1999. purchased, effort may be determine cost wastewater wastewater approval for lost. Liquids storage tanks and treatment treatment not yet three sites are currently effectiveness of plant to plant to constructed Summit. planned to be use for recycled recharge recharge (budgeted Cadman, and trucked from water from the Renton Renton funds diverted Issaguah these sites to wastewater **Decant Station Decant Station** settling vault. to flood locations treatment plant settling vault. damage—may where they in Renton. Not cost Not cost effective. Water was used effective. yet construct can be for KC govt. decanted to in dust control, use only in sewer. watering newly Issaguah & planted Summit areas vegetation, charging Renton's decant settling vault, and use in sweeper trucks. • course for operators required before Yes Yes Yes yes yes yes yes County facilities can be used • offer required course through GRCC No No No yes no no no Yes. See Star Yes. See Star Joint venture vactor station in south K.C. No no no no (w/WSDOT & cities) Lake above. Lake above.

OPERATIONS AND	MAINTE	NANCE A	NNUAL R	EPORTING	TABLE F	OR STOR	MWATER 1	NPDES P	ERMIT
Task	1996	1997 (Jan-Aug) (1997 Report)	1997 (Jan-Dec) (1998 Report)	1998 (Jan-Dec) (1999 Report)	1999 (Jan-Dec) (2000 Report)	2000 (Jan-Dec) (2001 Report)	2001 (Jan-Dec) (2002 Report)	2002 (Jan-Dec) (2003 Report)	2003 (Jan-Dec) (2004 Report)
OBSERVE NPDES INDUSTRIAL STORM	WATER PERM	IITS							
Use BMPs in SWPPPs for operating facilities and mining/filling sites		yes	yes	yes	yes	yes	yes	Yes	Yes
Monitor consistent with the permit monitoring plans		yes	yes	yes	yes	yes	yes	Yes	Yes
Recycle road maintenance waste material (debris)		yes, as feasible	yes	yes	yes	yes	yes	Yes	Yes
Use BMPs as per SWPPPs for storage and handling of road debris		yes	yes	yes	yes	yes	yes	Yes	Yes
PRACTICE INTEGRATED VEGETATION M	ANAGEMENT						-		
Implement plan policies in road rights-of-way			yes	yes	yes	yes	yes	Yes	Yes
Develop cost estimates for full implementation of the IVMP	no		yes	yes	yes	yes	yes	Yes	Yes
Fund the IVMP	no		yes	yes	yes	yes	yes	Yes	Yes
OTHER ACHIEVEMENTS									
Study impacts of road shoulder types to water quality & quantity (Roads, WSDOT, UW)	continuing	done (8 ft porous pavement shoul- der will detain and treat a high percentage of roadway runoff)		Working with regulatory agencies to adopt as BMP		Negotiating as time permits.	Included as part of the BMPCase Studies in the Regional Road Maintenance ESA Program Guidelines	Included as part of the BMPCase Studies in the Regional Road Maintenance ESA Program Guidelines.	Included as part of the BMP Case Studies in the Regional Road Maintenance ESA Program Guidelines.